

AT91SAM7S512B-AU-999



Part Number: [AT91SAM7S512B-AU-999](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64LQFP

Data sheet:  [AT91SAM Datasheet](#)  
 [AT91SAM Summary](#)

RoHs Status: Lead free / RoHS Compliant

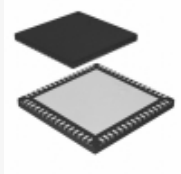
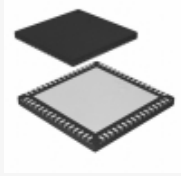
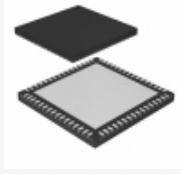
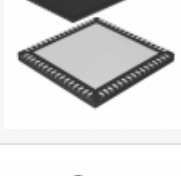
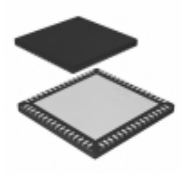
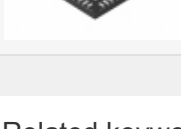
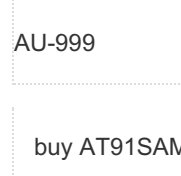
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                  |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AT91SAM7S512B-AU-999                       | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 512KB FLASH 64LQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10703 pcs                                  | Data sheet                       | <a href="#">AT91SAM Datasheet</a><br><a href="#">AT91SAM Summary</a>                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.65 V ~ 1.95 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-LQFP (10x10)                            | Speed                            | 55MHz                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SAM7S                                      | RAM Size                         | 64K x 8                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                      | Program Memory Size              | 512KB (512K x 8)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-LQFP                                    | Other Names                      | AT91SAM7S512B-AU-999-ND<br>AT91SAM7S512B-AU-999TR<br>AT91SAM7S512BAU999               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                          | Detailed Description             | ARM7® SAM7S Microcontroller IC 16/32-Bit 55MHz 512KB (512K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 8x10b                                  | Core Size                        | 16/32-Bit                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ARM7®                                      | Connectivity                     | ICP, SPI, SSC, UART/USART, USB                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AT91SAM7S512                               |                                  |                                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">AT91SAM7S64C-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">AT91SAM7S321-MU-999</a><br>Description: IC MCU 32BIT 32KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM7S512B-MU</a><br>Description: IC MCU 32BIT 512KB FLASH 64VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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